



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Oil Trust Fund
Sample Collection Date(s)-- 07/09/10 - 07/11/10
Contact----- Rich Mayer (6PD-F)
Report Date-----07/15/10
Project #----- 10REG197
Work Order(s)-----1007014

Analyses included in this report:

LC DOSS

Report Narrative

Sample 1007014-20 was re-extracted due to surrogate failure. Only the re-extraction results (1007014-20RE1) are reported.

No DOSS was found at the reporting limit in any of the samples.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund

Project Number: 10REG197

Data Management Coordinator: Christy Warren

_____/_____/_____
Data Management Coordinator Signature

_____/_____/_____
Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____/_____/_____
Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



Environmental Protection Agency
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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T005-0010-100709-SW-1	1007014-01	Liquid	7/9/10 9:45	07/12/10 09:35
T005-0010-100709-SW-2	1007014-02	Liquid	7/9/10 9:45	07/12/10 09:35
T005-0011-100710-SW-1	1007014-03	Liquid	7/10/10 10:00	07/12/10 09:35
T005-0012-100710-SW-1	1007014-04	Liquid	7/10/10 10:45	07/12/10 09:35
T005-0013-100710-SW-1	1007014-05	Liquid	7/10/10 11:20	07/12/10 09:35
T005-0014-100710-SW-1	1007014-06	Liquid	7/10/10 11:50	07/12/10 09:35
T005-0015-100711-SW-1	1007014-07	Liquid	7/11/10 10:45	07/12/10 09:35
T005-0015-100711-SW-2	1007014-08	Liquid	7/11/10 10:45	07/12/10 09:35
T005-1333-100711-SW-1	1007014-09	Liquid	7/11/10 9:00	07/12/10 09:35
T005-2335-100709-SW-1	1007014-10	Liquid	7/9/10 8:50	07/12/10 09:35
T005-2339-100709-SW-1	1007014-11	Liquid	7/9/10 9:15	07/12/10 09:35
T005-SC036-100709-SW-1	1007014-12	Liquid	7/9/10 11:15	07/12/10 09:35
T005-SC037-100710-SW-1	1007014-13	Liquid	7/10/10 9:20	07/12/10 09:35
T001-1347-100709-SW-1	1007014-14	Liquid	7/9/10 13:20	07/12/10 09:35
T001-1352-100709-SW-1	1007014-15	Liquid	7/9/10 10:48	07/12/10 09:35
T001-1355-100709-SW-1	1007014-16	Liquid	7/9/10 12:25	07/12/10 09:35
T001-1361-100709-SW-1	1007014-17	Liquid	7/9/10 11:26	07/12/10 09:35
T001-2001-100710-SW-1	1007014-18	Liquid	7/10/10 12:08	07/12/10 09:35
T001-2002-100710-SW-1	1007014-19	Liquid	7/10/10 10:41	07/12/10 09:35
T001-2003-100710-SW-1	1007014-20	Liquid	7/10/10 10:02	07/12/10 09:35
T001-2415-100711-SW-1	1007014-21	Liquid	7/11/10 12:18	07/12/10 09:35
T001-SW01-100711-SW-1	1007014-22	Liquid	7/11/10 11:05	07/12/10 09:35
T001-SW01-100711-SW-D	1007014-23	Liquid	7/11/10 11:05	07/12/10 09:35
T001-SW02-100711-SW-1	1007014-24	Liquid	7/11/10 10:30	07/12/10 09:35
T001-SW03-100711-SW-1	1007014-25	Liquid	7/11/10 9:45	07/12/10 09:35
T007-0005-100710-SW-1	1007014-26	Liquid	7/10/10 9:15	07/12/10 09:35
T007-0006-100710-SW-1	1007014-27	Liquid	7/10/10 10:00	07/12/10 09:35
T007-0007-100710-SW-1	1007014-28	Liquid	7/10/10 10:50	07/12/10 09:35
T007-0008-100709-SW-1	1007014-29	Liquid	7/9/10 10:55	07/12/10 09:35
T007-1327-100711-SW-1	1007014-30	Liquid	7/11/10 10:50	07/12/10 09:35
T007-1328-100709-SW-1	1007014-31	Liquid	7/9/10 9:40	07/12/10 09:35
T007-1331-100711-SW-1	1007014-32	Liquid	7/11/10 9:35	07/12/10 09:35
T007-1332-100709-SW-1	1007014-33	Liquid	7/9/10 10:20	07/12/10 09:35
T007-2336-100711-SW-1	1007014-34	Liquid	7/11/10 10:15	07/12/10 09:35
T007-BG02-100709-SW-1	1007014-35	Liquid	7/9/10 13:15	07/12/10 09:35



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T007-BG03-100710-SW-1	1007014-36	Liquid	7/10/10 14:07	07/12/10 09:35
T007-BG03-100710-SW-2	1007014-37	Liquid	7/10/10 14:07	07/12/10 09:35
T007-BG04-100711-SW-1	1007014-38	Liquid	7/11/10 14:15	07/12/10 09:35



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DOSS by LC/MS/MS

Lab ID: 1007014-01

Station ID: T005-0010-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	120		68.3	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diocetyl sulfosuccinate, sodium salt (577-11-7)	U		19.0	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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DOSS by LC/MS/MS

Lab ID: 1007014-02

Station ID: T005-0010-100709-SW-2

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 25 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	104		70.0	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-03

Station ID: T005-0011-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 18 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	133		64.9	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-04

Station ID: T005-0012-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 17 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	135		61.9	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-05

Station ID: T005-0013-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	100		62.3	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.1	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-06

Station ID: T005-0014-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	121		65.3	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.0	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-07

Station ID: T005-0015-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	127		75.4	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-08

Station ID: T005-0015-100711-SW-2

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	124		73.7	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.1	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-09

Station ID: T005-1333-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	124		73.7	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.1	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-10

Station ID: T005-2335-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	99.0		64.2	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.2	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-11

Station ID: T005-2339-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	106		65.6	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.1	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-12

Station ID: T005-SC036-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	116		72.0	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		18.7	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-13

Station ID: T005-SC037-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 19 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	143		73.5	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		18.9	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-14

Station ID: T001-1347-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 35 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	75.4		71.4	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.4	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-15

Station ID: T001-1352-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 30 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	92.1		74.7	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.3	1	07/12/10	07/12/10

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DOSS by LC/MS/MS

Lab ID: 1007014-16

Station ID: T001-1355-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 28 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	70.1		53.1	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.3	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-17

Station ID: T001-1361-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 26 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	96.9		68.1	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.2	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-18

Station ID: T001-2001-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 32 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	74.7		64.6	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.4	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-19

Station ID: T001-2002-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 30 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	76.5		62.0	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.3	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-20RE1

Station ID: T001-2003-100710-SW-1

Batch: B0G1305

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 30 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	78.9		64.0	50-150	07/13/10	07/13/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.3	1	07/13/10	07/13/10

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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-21

Station ID: T001-2415-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 31 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	98.7		82.7	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.4	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-22

Station ID: T001-SW01-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 31 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	87.0		72.9	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.4	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-23

Station ID: T001-SW01-100711-SW-D

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 30 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	93.7		76.0	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.3	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-24

Station ID: T001-SW02-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 30 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	91.0		73.8	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.0	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-25

Station ID: T001-SW03-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 31 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	86.6		72.6	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.0	1	07/12/10	07/12/10

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-26

Station ID: T007-0005-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	106		68.5	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.2	1	07/12/10	07/12/10

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Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-27

Station ID: T007-0006-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	112		72.4	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-28

Station ID: T007-0007-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	151		81.7	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-29

Station ID: T007-0008-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	80.6		52.3	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.2	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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DOSS by LC/MS/MS

Lab ID: 1007014-30

Station ID: T007-1327-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	131		81.4	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.1	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-31

Station ID: T007-1328-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	123		69.9	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-32

Station ID: T007-1331-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 25 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	96.6		65.3	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.2	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-33

Station ID: T007-1332-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	131		74.5	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-34

Station ID: T007-2336-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 28 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	79.8		60.4	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.3	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-35

Station ID: T007-BG02-100709-SW-1

Batch: B0G1201

Date Collected: 07/09/10

Sample Type: Liquid

Sample Volume: 18 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	140		68.1	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-36

Station ID: T007-BG03-100710-SW-1

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	94.1		61.1	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.2	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-37

Station ID: T007-BG03-100710-SW-2

Batch: B0G1201

Date Collected: 07/10/10

Sample Type: Liquid

Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	115		65.1	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	07/12/10	07/12/10

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Environmental Protection Agency
Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007014-38

Station ID: T007-BG04-100711-SW-1

Batch: B0G1201

Date Collected: 07/11/10

Sample Type: Liquid

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	111		65.7	50-150	07/12/10	07/12/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	07/12/10	07/12/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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Region 6 Laboratory

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DOSS by LC/MS/MS - Quality Control

Batch: B0G1201

Sample Type: Liquid

Blank (B0G1201-BLK1)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	141		185	76.3 50-150

Blank (B0G1201-BLK1)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD RPD Limit
Diethyl sulfosuccinate, sodium salt	U		20.0		

Blank (B0G1201-BLK2)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	122		185	66.0 50-150

Blank (B0G1201-BLK2)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD RPD Limit
Diethyl sulfosuccinate, sodium salt	U		20.0		



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DOSS by LC/MS/MS - Quality Control

Batch: B0G1201

Sample Type: Liquid

LCS (B0G1201-BS1)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	126		185	68.3 50-150

LCS (B0G1201-BS1)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	RPD RPD Limit
Diethyl sulfosuccinate, sodium salt	89.0		20.0	101	88.2 50-150	

LCS (B0G1201-BS2)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	148		185	79.8 50-150

LCS (B0G1201-BS2)

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	RPD RPD Limit
Diethyl sulfosuccinate, sodium salt	93.1		20.0	101	92.2 50-150	



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DOSS by LC/MS/MS - Quality Control

Batch: B0G1201

Sample Type: Liquid

Matrix Spike (B0G1201-MS1)

Source: 1007014-09

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	86.5		142	60.8 50-150

Matrix Spike (B0G1201-MS1)

Source: 1007014-09

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	67.1		19.2	77.7	U	86.3 50-150	

Matrix Spike (B0G1201-MS2)

Source: 1007014-14

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	67.7		100	67.7 50-150

Matrix Spike (B0G1201-MS2)

Source: 1007014-14

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	52.0		19.5	54.6	U	95.3 50-150	



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DOSS by LC/MS/MS - Quality Control

Batch: B0G1201

Sample Type: Liquid

Matrix Spike (B0G1201-MS3)

Source: 1007014-24

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	80.4		128	63.0 50-150

Matrix Spike (B0G1201-MS3)

Source: 1007014-24

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	61.8		19.7	69.7	U	88.7 50-150	

Matrix Spike (B0G1201-MS4)

Source: 1007014-32

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	148		206	71.8 50-150

Matrix Spike (B0G1201-MS4)

Source: 1007014-32

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	102		20.0	112	U	91.0 50-150	



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DOSS by LC/MS/MS - Quality Control

Batch: B0G1201

Sample Type: Liquid

Matrix Spike Dup (B0G1201-MSD1)

Source: 1007014-09

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	109		148	73.5 50-150

Matrix Spike Dup (B0G1201-MSD1)

Source: 1007014-09

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	74.0		19.6	80.8	U	91.6 50-150	9.88 30

Matrix Spike Dup (B0G1201-MSD2)

Source: 1007014-14

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	75.7		128	59.3 50-150

Matrix Spike Dup (B0G1201-MSD2)

Source: 1007014-14

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	69.2		19.0	69.7	U	99.4 50-150	28.4 30



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DOSS by LC/MS/MS - Quality Control

Batch: B0G1201

Sample Type: Liquid

Matrix Spike Dup (B0G1201-MSD3)

Source: 1007014-24

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	99.0		132	74.9 50-150

Matrix Spike Dup (B0G1201-MSD3)

Source: 1007014-24

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	61.8		19.6	72.1	U	85.7 50-150	0.01 30

Matrix Spike Dup (B0G1201-MSD4)

Source: 1007014-32

Prepared: 7/12/2010 Analyzed: 7/12/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	110		185	59.3 50-150

Matrix Spike Dup (B0G1201-MSD4)

Source: 1007014-32

Prepared: 7/12/2010 Analyzed: 7/12/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	87.4		19.5	101	U	86.6 50-150	15.5 30



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DOSS by LC/MS/MS - Quality Control

Batch: B0G1305

Sample Type: Liquid

Blank (B0G1305-BLK1)

Prepared: 7/13/2010 Analyzed: 7/13/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	133		185	71.6 50-150

Blank (B0G1305-BLK1)

Prepared: 7/13/2010 Analyzed: 7/13/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD RPD Limit
Diethyl sulfosuccinate, sodium salt	U		20.0		

LCS (B0G1305-BS1)

Prepared: 7/13/2010 Analyzed: 7/13/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	130		185	70.5 50-150

LCS (B0G1305-BS1)

Prepared: 7/13/2010 Analyzed: 7/13/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	RPD RPD Limit
Diethyl sulfosuccinate, sodium salt	91.7		20.0	101	90.8 50-150	



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CHAIN OF CUSTODY RECORD
R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-20100709-006
Attrib: R06
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservativ e	MS/MS D
	T005-0010-100709-SW-1	DOSS	Surface Water	Grab	7/9/2010	09:45	2	40 ml VOA	4C	N
	T005-0010-100709-SW-2	DOSS	Surface Water	Grab	7/9/2010	09:45	2	40 ml VOA	4C	N
	T005-0011-100710-SW-1	DOSS	Surface Water	Grab	7/10/2010	10:00	2	40 ml VOA	4C	N
	T005-0012-100710-SW-1	DOSS	Surface Water	Grab	7/10/2010	10:45	2	40 ml VOA	4C	N
	T005-0013-100710-SW-1	DOSS	Surface Water	Grab	7/10/2010	11:20	2	40 ml VOA	4C	N
	T005-0014-100710-SW-1	DOSS	Surface Water	Grab	7/10/2010	11:50	2	40 ml VOA	4C	N
	T005-0015-100711-SW-1	DOSS	Surface Water	Grab	7/11/2010	10:45	2	40 ml VOA	4C	N
	T005-0015-100711-SW-2	DOSS	Surface Water	Grab	7/11/2010	10:45	2	40 ml VOA	4C	N
	T005-1333-100711-SW-1	DOSS	Surface Water	Grab	7/11/2010	09:00	6	40 ml VOA	4C	Y
	T005-2335-100709-SW-1	DOSS	Surface Water	Grab	7/9/2010	08:50	6	40 ml VOA	4C	Y
	T005-2339-100709-SW-1	DOSS	Surface Water	Grab	7/9/2010	09:15	2	40 ml VOA	4C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Bob 7/11/10	7/11/10	Bob 7/11/10	7/11/10	14:30		Warr 7/12/10	7/12/10	Warr 7/12/10	7/12/10	9:55
	Bob 7/11/10	7/11/10	Bob 7/11/10	7/11/10	14:30		Warr 7/12/10	7/12/10	Warr 7/12/10	7/12/10	9:55
	Bob 7/11/10	7/11/10	Bob 7/11/10	7/11/10	14:30		Warr 7/12/10	7/12/10	Warr 7/12/10	7/12/10	9:55
	Bob 7/11/10	7/11/10	Bob 7/11/10	7/11/10	14:30		Warr 7/12/10	7/12/10	Warr 7/12/10	7/12/10	9:55



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Notes and Definitions

A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.